

SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB# 106320

Requester's Full Name: Devi Examiner #: 24493 Date: 10/29/03
 An Unit: 1645 Phone Number 308-9347 Serial Number: 0915905991
 Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Search seq 6 against aaw61246

with alternate scoring tables

Find AAW61246 in

PCT/US97/19422

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Type of Search		Vendors and cost where applicable
Searcher: <u>D. Schreiber</u>	NA Sequence (#) _____	STN: _____
Searcher Phone #: <u>308-4292</u>	AA Sequence (#) <u>4</u>	Dialog: _____
Searcher Location: <u>CMC CA03</u>	Structure (#) _____	Questel Orbit: _____
Date Searcher Proposed: _____	Bibliographic: _____	Ch. Link: _____
Date Completed: <u>10/21</u>	Litigation: _____	Lexis Nexis: _____
Searcher Prep & Review Time: <u>21</u>	Fulltext: _____	Sequence Systems: <u>Comp 4903</u>
Gen. Prep Time: _____	Patent Family: _____	ANWA Internet: _____
Indexing Time: <u>27</u>	Other: _____	Other: _____

Seq ID NO: 6

RESULT 2

ID 0984M8 PRELIMINARY; PRT: 2144 AA.

AC 0984M8;

DT 01-MAY-2000 (TEMBLrel. 13, Created)

DT 01-MAY-2000 (TEMBLrel. 13, Last sequence update)

DE 01-JUN-2001 (TEMBLrel. 17, Last annotation update)

DE CELL WALL-ASSOCIATED SERINE PROTEINASE PRECURSOR PRTA.

GN PRTA.

OS Streptococcus pneumoniae.

OC Bacteria; Firmicutes; Bacillus/Clostridium group; Streptococcaceae;

OX NCBI_Taxid=1313;

RN (1)

RP SEQUENCE FROM N.A.

RA STRAIN-3.B;

RC Bethel G., ten Thoren E., Bongaerts R.J.M., Heinz H.-P., Zysk G.;

RT "Cloning and sequencing of a novel surface protease of Streptococcus pneumoniae."

RT Submitted (FEB-1999) to the EMBL/GenBank/DBJ databases.

RL EMBL: AF127143; AAD48399.1; -

DR HSP: P07518; IME.

DR InterPro: IPR001899; Gram_pos_anchor.

DR InterPro: IPR001337; PA.

DR InterPro: IPR00209; Peptidase_S8.

DR Pfam: PF00746; Gram_pos_anchor; 1.

DR Pfam: PF02225; PA; 1.

DR PRINTS: PR00723; SUBTILISIN.

DR PROSITE: PS00343; GRAM_POS_ANCHORING; UNKNOWN_1.

DR PROSITE: PS00137; SUBTILASE_HIS; UNKNOWN_1.

DR PROSITE: PS00138; SUBTILASE_SER; UNKNOWN_1.

DR PROSITE: PS00678; WD_REPEATS_1; UNKNOWN_1.

KM SIGNAL.

FT SIGNAL.

FT CHAIN 1 19 POTENTIAL.

FT CHAIN 20 2144 CELL WALL-ASSOCIATED SERINE PROTEINASE

FT CHAIN PRTA

SEQUENCE 2144 AA: 240725 MW: 2052511470741331 CRC64;

Query Match 96.8%; Score 3142.5; DB 2; Length 2144;

Best Local Similarity 96.3%; Pred. No. 4.1e-168;

Matches 642; Conservative 14; Mismatches 6; Indels 5; Gaps 1;

0y 3 VVLADTSSSEDALNISDEKY-----AEKKEHENHSAMETSOEFKEKTAVIKEKEV 57

Db 24 VVLADTSSSEDALNISDEKYVVDKETEKKKHNDIHAITSKDEKTTIIEKEV 83

0y 58 SKNPYIDNNTSEKAKIENSNSQGDYTDSPVKNKNTENPKKEDKVVYIAEFKESGE 117

Db 84 SKNPYIDTISNEEKAKIENSNSQGDHTDSPVKNKNTENPKKEDKVVYIAEFKESGE 143

0y 118 KAIKELSLKNTKYLYTDRIFGNSAIETTPDNLDTIKOIEGISSVERAOKVPMNHAR 177

Db 144 KAIKGLSLKNTKYLYTDRIFGNSAIETTPDNLDTIKOIEGISSIERAOKVPMNHAR 203

0y 178 KEIGVEEALDYKLSINAPFGKNGDGMVSNIDTGTDRHKKAMRIDDAKASMRFKED 237

Db 204 KEIGVEEALDYKLSINAPFGKNGDGMVSNIDTGTDRHKKAMRIDDAKASMRFKED 263

0y 238 LKGTDKNWLSDKIPHAFNYNGKTIYEKYDDGRDVFDPGHMIGILAGNTEDDIRN 297

Db 264 LKGTDKNWLSDKIPHAFNYNGKTIYEKYDDGRDVFDPGHMIGILAGNTEDDIRN 323

0y 298 FNGIDGIAPNAQIFSKMYSDAGSGFAGDETHAIEDSKHNVDVSVSSGFTGLVG 357

Db 324 FNGIDGIAPNAQIFSKMYSDAGSGFAGDETHAIEDSKHNVDVSVSSGFTGLVG 383

0y 358 EKYWOAIRALKAGIPMVATGNYATSASSSHDLVANNHLLKMTDGTGNTTRTAHEDAIA 417

Db 384 EKYWOAIRALKAGIPMVATGNYATSASSSHDLVANNHLLKMTDGTGNTTRTAHEDAIA 443

0y 418 VASAKNOTVEFDKVNIGSGSFYRNIGAEFDKSKITNEDGTAKAPSKLFEYIGGODD 477

Db 444 VASAKNOTVEFDKVNIGSGSFYRNIGAEFDKSKITNEDGTAKAPSKLFEYIGGODD 503

0y 478 LIGLDRGKIAVMDRIYTDLNAPKAMDKARALMVNTVNYNNDMTLPMAGYEA 537

Db 504 LIGLDRGKIAVMDRIYTDLNAPKAMDKARALMVNTVNYNNDMTLPMAGYEA 563

0y 538 DEGTSSQVESISGDDGVKLMMNINPDKTEVRNNKEDFKDLEQYIYIDHESFNKPN 597

Db 564 DEGTSSQVESISGDDGVKLMMNINPDKTEVRNNKEDFKDLEQYIYIDHESFNKPN 623

0y 598 VGDEKEIDFKFAPORTDKELKEDIIIVPAGSTSWGRIDLKPDVSAPGKINKSTLVIN 657

Db 624 VGDEKEIDFKFAPORTDKELKEDIIIVPAGSTSWGRIDLKPDVSAPGKINKSTLVIN 683

0y 658 GKSTGY 664

Db 684 GKSTGY 690